

**DSC - Second Melt**

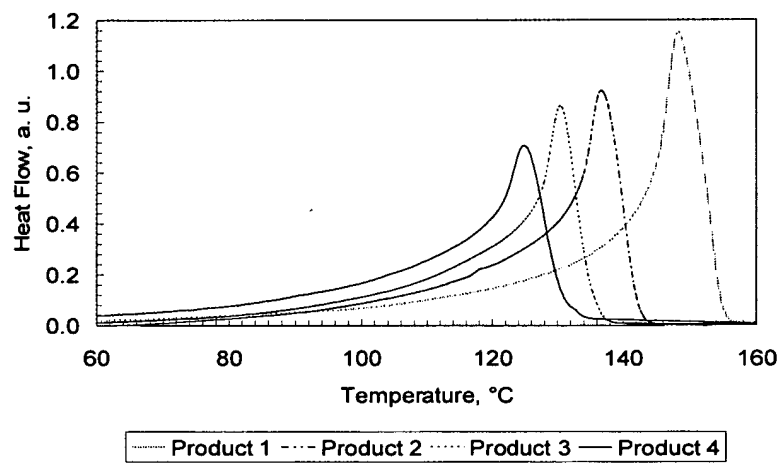


FIGURE 1

**DSC - Crystallization**

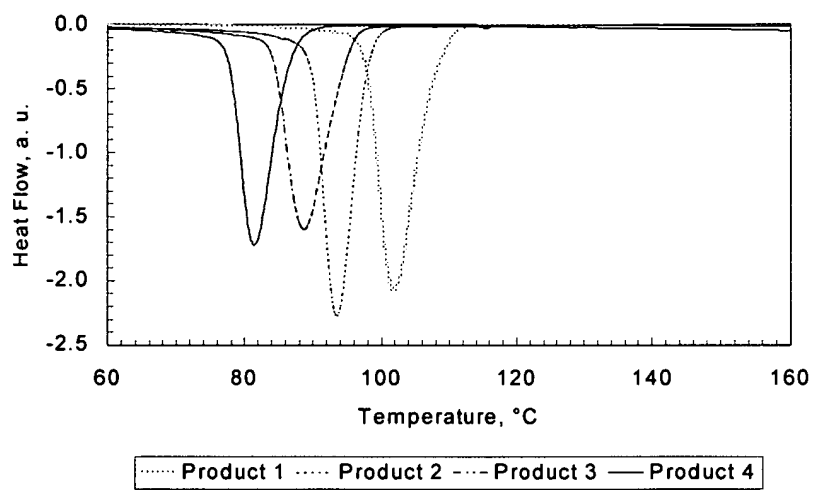


FIGURE 2

FIGURE 3A

**Heat Seal Profile (Max)**  
mRCP and znRCP - cast films

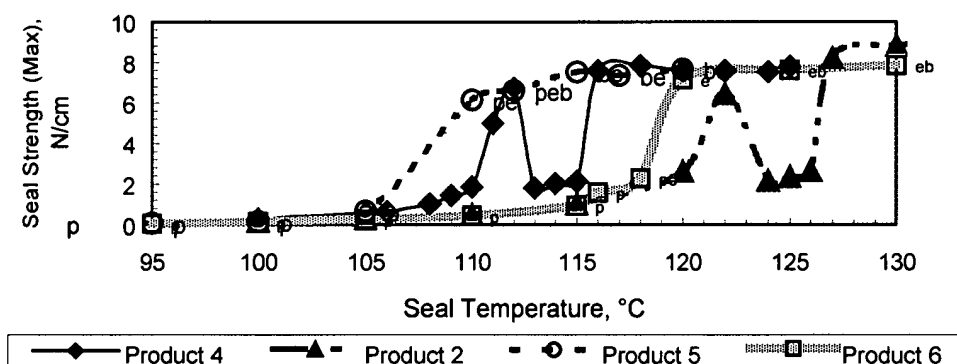


FIGURE 3B

**Metallocene and Z-N Propylene Copolymers**

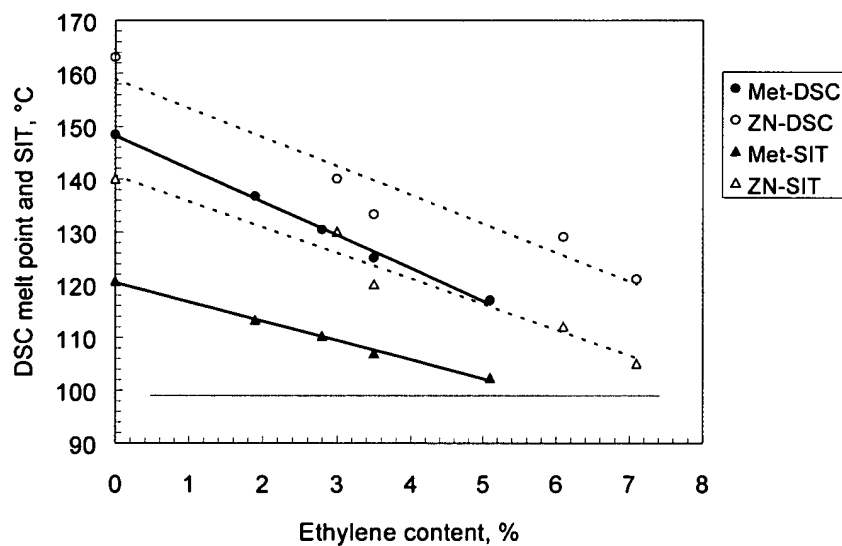


FIGURE 4

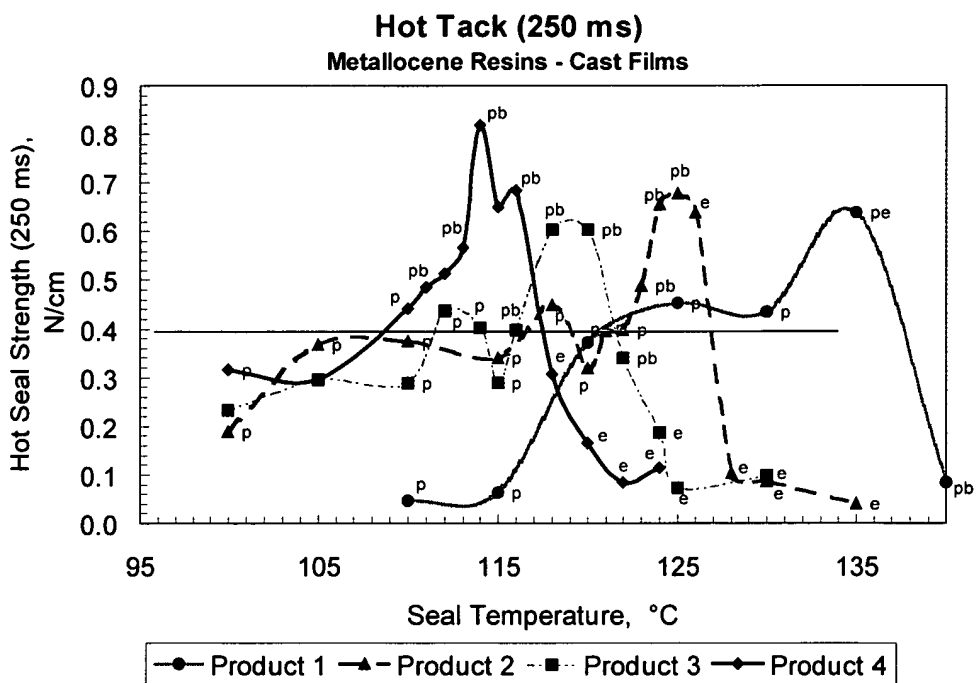


FIGURE 5A

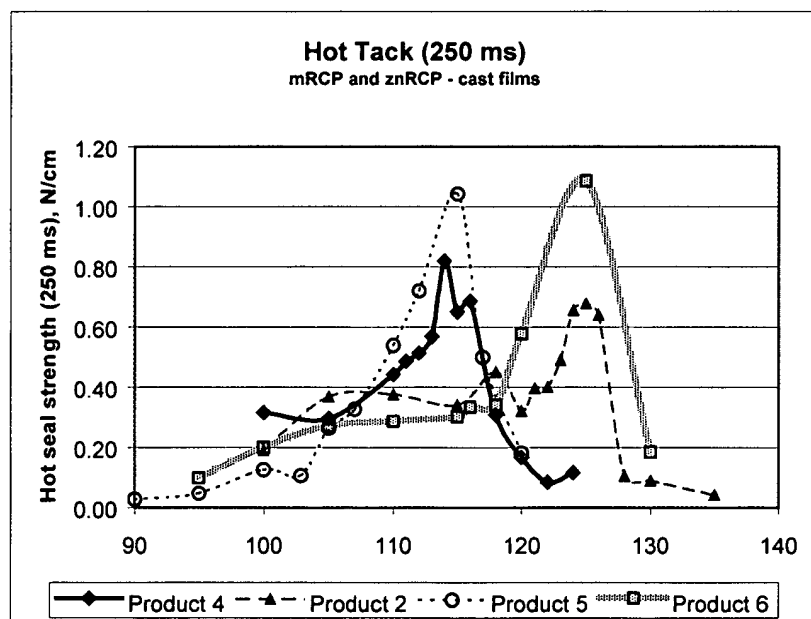


FIGURE 5B

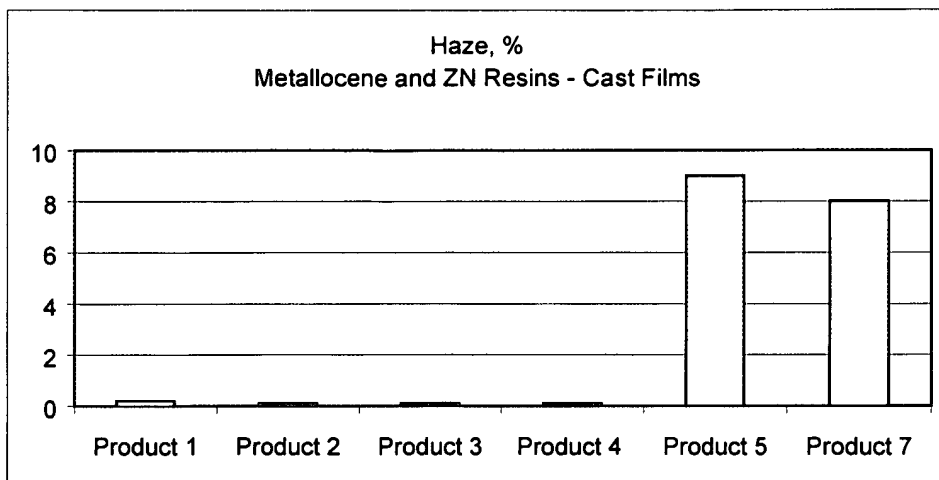


FIGURE 6

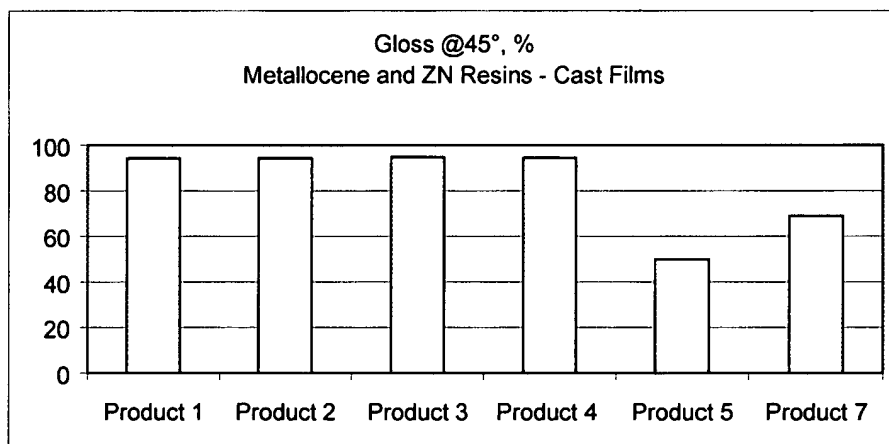


FIGURE 7

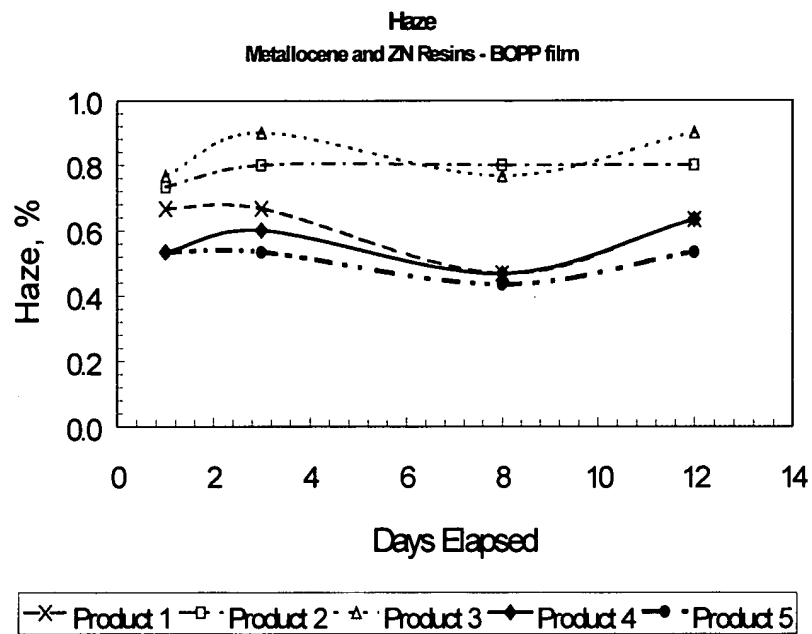


FIGURE 8

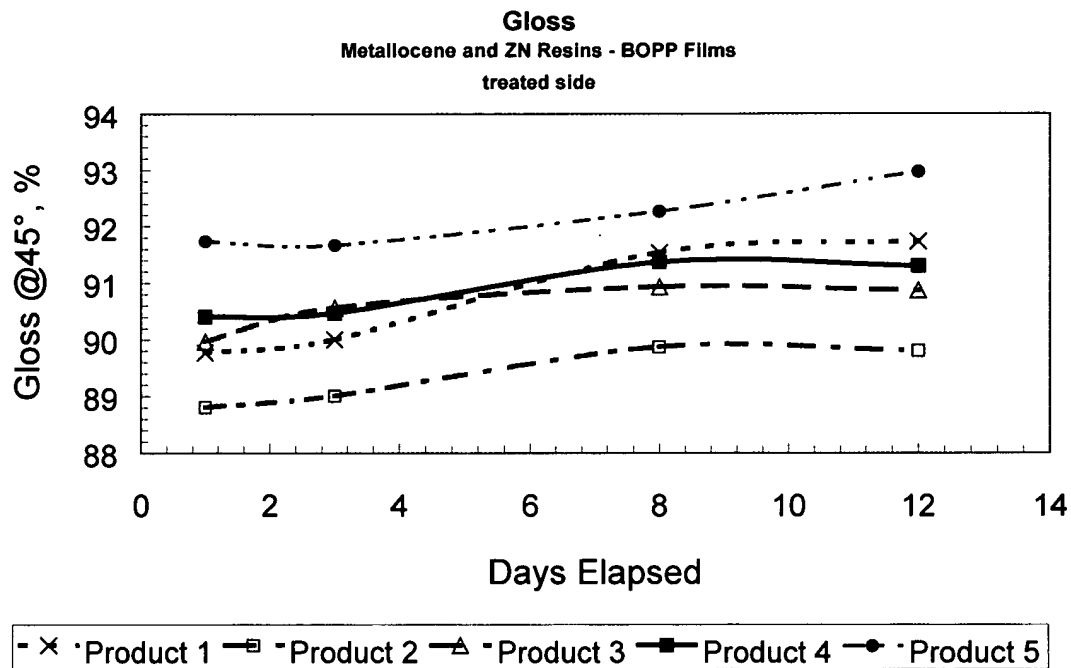


FIGURE 9

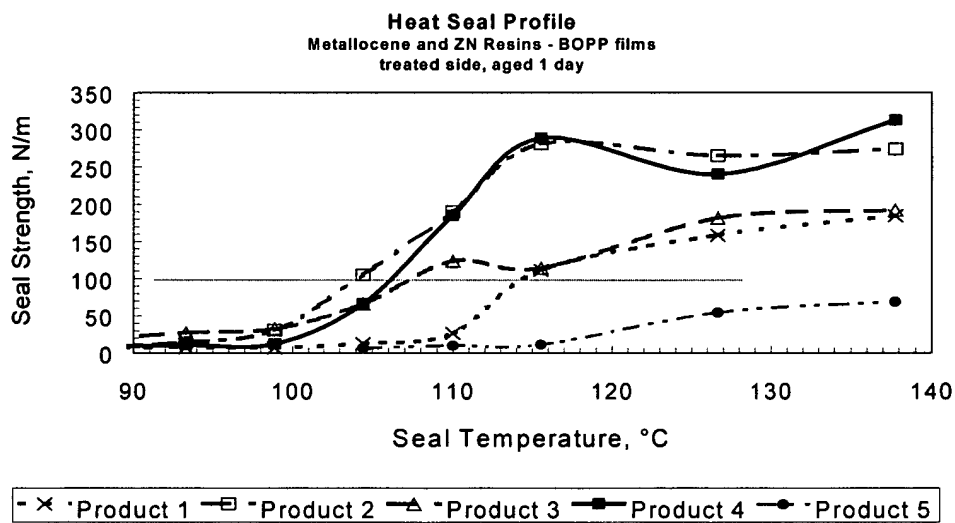


FIGURE 10

### Heat Seal Profile

Metallocene and ZN Resins - BOPP films  
treated side, aged >12 days

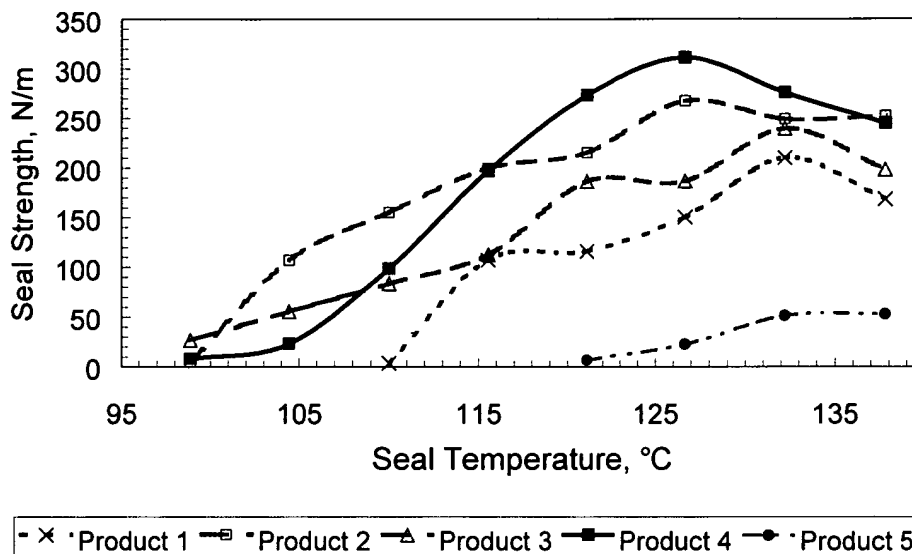


FIGURE 11

### Hot Tack Sealing Profile

Metallocene and ZN Resins - BOPP film  
treated side, aged 1 day

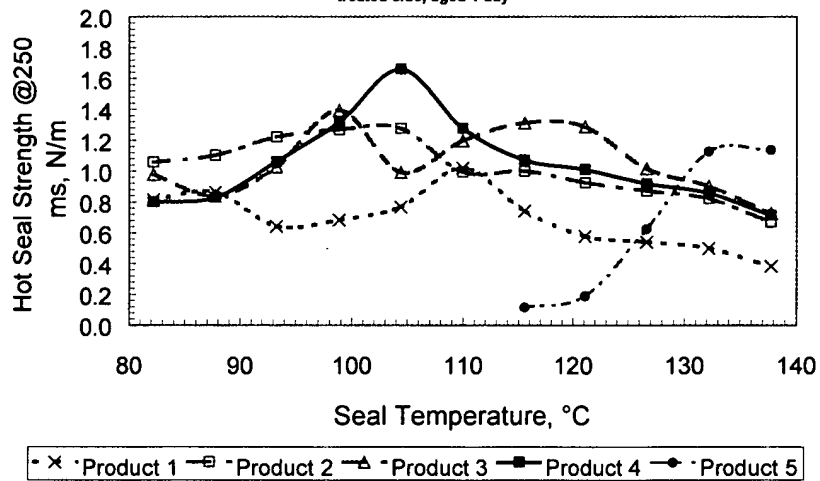


FIGURE 12



# **Hot Tack Sealing Profile** Metalocene and ZN Resins - BOPP film treated side, aged >12 days

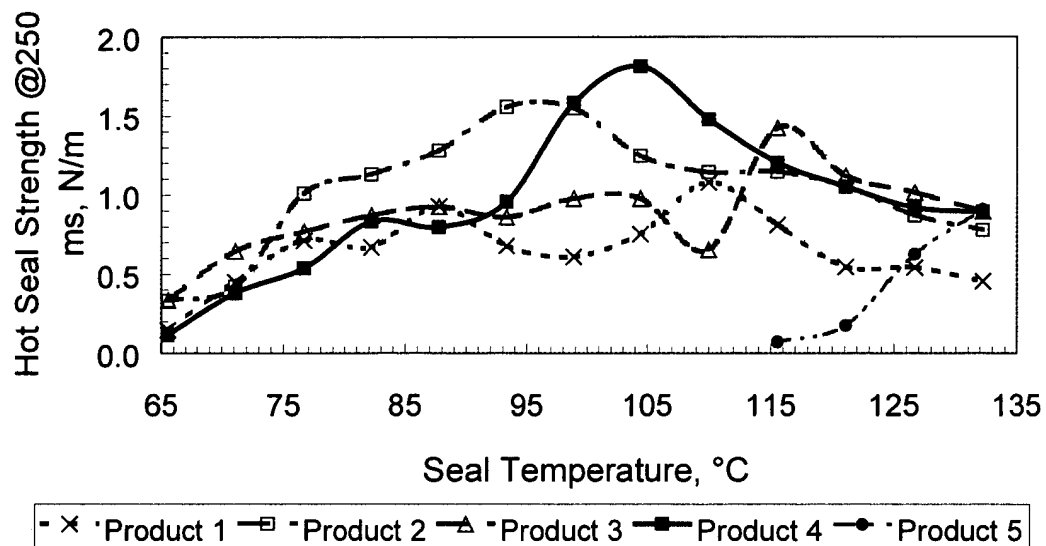


FIGURE 13

## **Seal Strength vs. Seal Temperature**

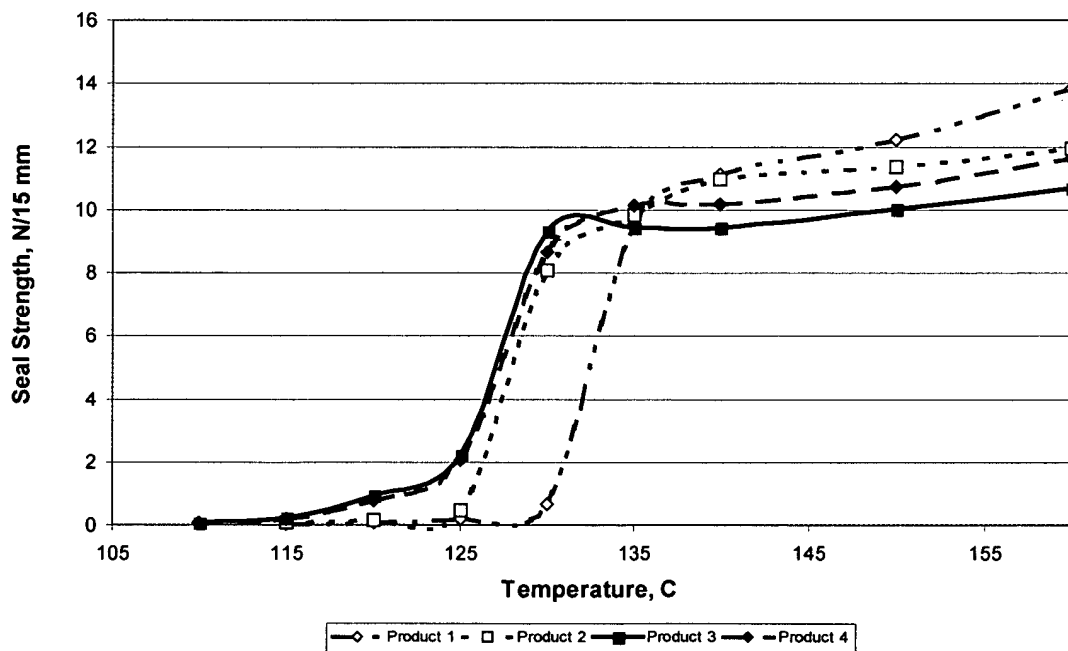


FIGURE 14